What is claimed is:

1. A method for producing an optical recording medium comprising the steps of:

supplying a dye solution; and

coating the dye solution on a substrate by a spin coating method to form a dye recording layer,

wherein the substrate is rotated at a rotation speed of 400 rpm or higher during a period from the beginning of supply of the dye solution to the end of supply of the dye solution.

2. The method of claim 1, wherein a dye is contained in the dye solution in an amount of 0.2 to 1.2% by mass.

3. A method for producing an optical recording medium comprising the steps of:

supplying a dye solution;

coating the dye solution on a substrate by a spin coating method; and

drying the dye solution to form a dye recording layer,

wherein the method has, in a sequence from the beginning of the supply of the dye solution to the completion of the drying, a low-speed rotation step of rotating the substrate at a speed lower than a speed at the beginning of the supply of the dye solution or than a speed at the end of the supply of the dye solution.

4. The method of claim 3, wherein the low-speed rotation step starts immediately after the end of the supply of the dye solution.

5. The method of claim 3, wherein a dye is contained in the dye solution in an amount of 1% by mass or less.

6. The method of claim 3, wherein the rotation speed of the substrate at the beginning of the supply of the dye solution is 400 rpm or higher.

7. The method of claim 3, wherein the rotation speed of the substrate in the low-speed rotation step is from 20 to 400 rpm lower than the speed at the beginning of the supply.

8. The method of claim 3, wherein the duration of the low-speed rotation step is 1 to 15 seconds.

9. The method of claim 3, wherein the rotation speed of the substrate is increased to a speed of 2000 to 2500 rpm after the end of the low-speed rotation step.

10. The method of claim 3, wherein an ambient temperature during coating of the dye solution is from 20 to 40°C.

11. The method of claim 3, wherein a relative humidity during coating of the dye solution is from 20 to 60%RH.

12. An optical recording medium produced by the method of claim 3.